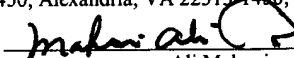


**CERTIFICATE OF MAILING BY "FIRST CLASS MAIL"**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on 10/24/2005.

  
Ali Makoui

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application for:

James Crawford, et al.

Serial No.: 10/687,520

Filing Date: 10/15/2003

For: IN-LINE SPECTROMETER

Examiner: Sarah J. Chisdes

Group Art Unit: 2877

**AMENDMENT AND RESPONSE TO OFFICE ACTION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Office Action dated 5/24/2005, please amend the patent application as follows:

**Amendments to the Claims** are reflected in the listing of claims, which begins on page 2 of this paper.

**Remarks** begin on page 11 of this paper.

10/31/2005 AKELECH1 00000014 10687520

01 FC:2202	50.00 OP
02 FC:2201	100.00 OP